AMENDMENTS TO THE SPECIFICATION

Please amend the specification of the present application as set forth below. In accordance with the PTO's revised amendment format, changes are shown by strikethrough (for deleted matter) or underlining (for added matter).

Please replace the paragraph starting at page 2, line 3, with the following:

As an example of how serious this exploitation can be, consider a user who downloads a control that ~~access~~ accesses banking software on the user's computer. The user trusts the author of the control and the website, and uses the control according to its intended function. But when the user has finished using the control, the user may not even be aware that the control and its functionality remain on the user's computer. Thereafter, a web page set up by a hacker and accessed by the user may invoke the control and gain access to the user's banking software. The hacker may then have the ability to write unauthorized checks on the user's account, transfer funds electronically from the account, and so on.

Please replace the paragraph starting at page 6, line 5, with the following:

The various components and functionality described herein are implemented with a number of individual computers. Fig. 1 shows components of a typical example of such a computer, referred ~~by~~ to by reference numeral

100. The components shown in Fig. 1 are only examples, and are not intended to suggest any limitation as to the scope of the functionality of the invention; the invention is not necessarily dependent on the features shown in Fig. 1.

Please replace the paragraph starting at page 7, line 3, with the following:

The instructions and/or program modules are stored at different times in the various computer-readable media that are either part of the computer or that can be read by the computer. Programs are typically distributed, for example, on floppy disks, CD-ROMs, DVD, or some form of communication media such as a modulated signal. From there, they are installed or loaded into the secondary memory of a computer. At execution, they are loaded at least partially into the computer's primary electronic memory. The invention described herein includes these and other various types of computer-readable media when such media contain ~~instructions~~ instructions, programs, and/or modules for implementing the steps described below in conjunction with a microprocessor or other data processors. The invention also includes the computer itself when programmed according to the methods and techniques described below.

Please replace the paragraph starting at page 8, line 5, with the following:

Computer 100 typically includes a variety of computer-readable media. Computer-readable media can be any available media that can be accessed by computer 100 and includes both volatile and nonvolatile media, removable and non-removable media. By way of example, and not limitation, computer-readable media may comprise computer storage media and communication media. "Computer storage media" includes both volatile and nonvolatile, removable and non-removable media implemented in any method or technology for storage of information such as computer-readable instructions, data structures, program modules, or other data. Computer storage media includes, but is not limited to, RAM, ROM, EEPROM, flash memory or other memory technology, CD-ROM, digital versatile disks (DVD) or other optical disk storage, magnetic cassettes, magnetic tape, magnetic disk storage or other magnetic storage devices, or any other medium which can be used to store the desired information and which can be accessed by ~~computer 110~~computer 100. Communication media typically embodies computer-readable instructions, data structures, program modules or other data in a modulated data signal such as a carrier wave or other transport mechanism and includes any information delivery media. The term "modulated data signal" means a signal that has one or more ~~if~~ of its characteristics set or changed in such a manner as to encode information in the signal. By way of example, and not limitation, communication media includes wired media such as a wired network or direct-wired connection

and wireless media such as acoustic, RF, infrared and other wireless media. Combinations of any of the above should also be included within the scope of computer readable media.

Please replace the paragraph starting at page 9, line 12, with the following:

The computer 100 may also include other removable/non-removable, volatile/nonvolatile computer storage media. By way of example only, Fig. 1 illustrates a hard disk drive 141 that reads from or writes to non-removable, nonvolatile magnetic media, a magnetic disk drive 151 that reads from or writes to a removable, nonvolatile magnetic disk 152, and an optical disk drive 155 that reads from or writes to a removable, nonvolatile optical disk 156 such as a CD ROM or other optical media. Other removable/non-removable, volatile/nonvolatile computer storage media that can be used in the exemplary operating environment include, but are not limited to, magnetic tape cassettes, flash memory cards, digital versatile disks, digital video tape, solid state RAM, solid state ROM, and the like. The hard disk drive 141 is typically connected to the system bus 121 through ~~an~~ a non-removable memory interface such as interface 140, and magnetic disk drive 151 and optical disk drive 155 are typically connected to the system bus 121 by a removable memory interface such as interface 150.

Please replace the paragraph starting at page 13, line 8, with the following:

The Client computer 204 includes a processor 227 and memory 228. A web browser 230 is stored in the memory 228 and executes on the processor 227. The web browser 230 enables the Client computer 204 to access the web page 212 on the server 202. As shown in Fig. 2, a copy of the web page 212 (designated as web page 212') has been downloaded to the Client computer 204 and is stored in the memory 228. The downloaded web page 212' includes a script 216' (a copy of the script 216) and a control object 218' (a copy of the control object ~~218~~220). A copy of the confirmation module ~~218~~ 220 (designated as confirmation module 218') has been downloaded with the web page 212' and is a part of the control object 218'. The web page 212' is digitally signed with a digital signature 226' that was downloaded with the web page 212'.

Please replace the paragraph starting at page 13, line 22, with the following:

At step 300, the web browser 230 on the Client computer 204 requests a download of the web page 212 from the Server computer 202. If the web page 212 includes script 216 that invokes a control object ("Yes" branch, step 302), then the digital signature module 222 on the Server computer 202 digitally signs the web page 212 by attaching the digital signature 226 to the web page 212 at step 304. The signed web page 212 is delivered to the Client computer ~~202~~ 204 at step 306. If the web page 212 does not invoke a control object ("No"

branch, step 302), the web page 212 is delivered to the Client computer 204 at step 306 without a digital signature.

Please replace the paragraph starting at page 14, line 11, with the following:

At step 308, the Client computer 204 receives the web page ~~212,~~ 212' from the Server computer 202. On many systems, a user of the Client computer 204 will be notified at this point if the user wishes to download the web page 212 having the control object 218. For purposes of the present discussion, it is assumed that the user downloads the control object ~~218~~ 218' with the web page ~~212~~212'.

Please replace the paragraph starting at page 14, line 22, with the following:

If the confirmation module 220' determines that the web page 212' has come from the source indicated by the web page 212' ("Yes branch, step 314), the confirmation module 220' then determines if the source is an authorized source at step ~~314~~316. This can be done in several ways. The author of the control object 218' may include a list of sources that the author trusts to invoke the control object 218', or the user may be prompted at some point by the control object 218' to enter sources which the user trusts to invoke the control object 218' safely, or a list of trusted sites may be stored in the memory of the Client computer 204, etc. With any such implementation, the control object 218'

checks the name of the source against one or more source names to determine if the source is authorized to invoke the control object 218'.

Please replace the paragraph starting at page 15, line 14, with the following:

If the confirmation module 220' determines that the web page 212' has come from an authenticated and authorized source (the Server computer 202 in this example), then the control object 218' is executed at step 318. If the source cannot be authenticated ("No" branch, step ~~312~~314) or if the source is not authorized to invoke the control object 218' ("No" branch, step ~~314~~316), then the control object 218' will not be executed.

Please replace the paragraph starting at page 16, line 12, with the following:

Although the ~~implementation~~ implementations described herein have been described in language specific to structural features and/or methodological steps, it is to be understood that the invention defined in the appended claims is not necessarily limited to the specific features or steps described. Rather, the specific features and steps are disclosed as preferred implementations.